Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

ABSTRACT

Sl. No	ITEMS	
A.1	Providing of 1 no Bore well	4,70,510
A.2	Proposed construction of Chain link Fencing Compund Wall	16,57,544
A.3	Proposed construction of Watchman Shed	11,85,990
A.4	Providing and Fixing of Children's Play Equipments at Parks	38,80,643
A.5	Devalopement of Children Play Ground	10,57,773
A.6	Proposed construction of GAZIB	4,79,514
A.7	Devalopement of Park Area	22,52,390
A.8	Benches	6,64,538
A.9	Sump	3,15,388
A.10	Electrical Work -EXTERNAL	4,23,213
A.11	Drainage Line	1,43,308
A.12	Water Supply Line	33,292
Total Amount		**1,25,64,102**
5% Tender Premium		6,28,205
GST at 12%		15,07,692
PMC/DPR		3,00,000
Grand Total Amount		**1,50,00,000**

Asst. Executive Engineer
Project Division, Dasrahali
BBMP, Bangalore

EXECUTIVE ENGINEER (Project)
Project Division
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone Bangalore-73.

Technically Sanctione for Rs. 125.64 Lakhs
Rs. In words One hundred & Twenty five lakhs sixty four thousand only Lakhs Only
Under P-3588
Job Code No. 014-20-000095
Registered as CE No. 23/21-22 Subject to conditions contained in Enclosed Memo No. CE/PZ/TS/23/21-22 Dt 25/07/2021

AE/JE TA CE(E)

ನಂ: 01/22-23 ದಿನಾಂಕ: 6/5/2022
ರೂ: One hundred and fifty
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
014-20-000095 (P-3588)

Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.1	**Providing of 1 no Bore well**							
1	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information requiredincluding transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. (Page no-xx, Item No-13.04,PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	Geophysical investigation	1				1.00		
	Total Quantity					1.00	3768.00	3768.00
						NOS		
	BR	3768.00	NOS					
2	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01-(a),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 0.00 m to 50m including over burdan	1	50.00			50.00		
	Total Quantity					50.00	347.00	17350.00
						Mtrs		
	BR	347.00	Mtrs					
3	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(b),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 50.00 m to 100.00m	1	50.00			50.00		
	Total Quantity					50.00	442.00	22100.00
						Mtrs		
	BR	442.00	Mtrs					
4	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(c),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.1	**Providing of 1 no Bore well**							
	from 100.00 m to 150.00m	1	50.00			50.00		
	Total Quantity					50.00	456.00	22800.00
						Mtrs		
	BR	456.00	Mtrs					
5	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(d),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 150.00 m to 200.00m	1	50.00			50.00		
	Total Quantity					50.00	536.00	26800.00
						Mtrs		
	BR	536.00	Mtrs					
6	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(e),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 200.00 m to 250.00m	1	50.00			50.00		
	Total Quantity					50.00	634.00	31700.00
						Mtrs		
	BR	634.00	Mtrs					
7	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(f),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 250.00 m to 300.00m	1	50.00			50.00		
	Total Quantity					50.00	700.00	35000.00
						Mtrs		
	BR	700.00	Mtrs					
8	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(g),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 300.00 m to 350.00m	1	50.00			50.00		
	Total Quantity					50.00	825.00	41250.00
						Mtrs		
	BR	825.00	Mtrs					

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.1	**Providing of 1 no Bore well**							
9	Supply of ISI mark 175 mm nominal Bore, plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4 mm thick confirming to IS 4270:2001 and latest amendments, electric, resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. both ends threaded confirming to IS 554/1985 one end fixedwith socket confirming to IS 4270:2001 and the other end with screwd pipes. All Pipe Shall be reasonably free from defects. the tubesshall be reasonably straigth should be with ISI marking, weighing, 25.1 kg/mtr (inclusive of all taxes duties) prices include collar - medium duty(Page no-III, Item No-84 (Material Components of PRE .Circle Bangalore SR 2012-13.)`							
	from 0.00 m to 20m	1	20.00			20.00	1325.00	26500.00
	20to 30mtrs	1	10.00			10.00	1523.75	15238.00
	Total Quantity							
						m		
	Baic Rate 0 to 20.00 mtrs	1325.00	m					
	Baic Rate 20.00 to 30.00 mtrs	1523.75	m					
10	Supply of 175 MM MS CAP (Page no-III, Item No-85 (Material Components of PRE .Circle Bangalore SR 2012-13.)`							
	175 MM MS CAP	1				1.00		
	Total Quantity					1.00	100.00	100.00
						Each		
	Baic Rate	100.00	Each					
11	Supplying, Erection and commissioning of 5HP/3.7 kw 12 stage Submersible pump of Approved make with ISI mark including necessary accessories (Page no-*XLI*, Item No-6 of PWD SR 2018-19.)							
	5HP/3.7 kw 12 stage Submersible pump	1				1.00		
	Total Quantity					1.00	31427.00	31427.00
	Baic Rate	31427.00	Each			Each		
12	Supplying and drawing 3 core flat PVC Sheathed Submersible pump cable manufactured with electrolytic grade copper wityh flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130 -1984 and virgin grade PVC insulation and power coating extruded PVC Sheathed Suitable for working voltage up to 1100 volts as per IS 694:1990 & confirming to GTP of GROUP-A -3C X 2.5Sqmm. (Page no-7, Item No-2.6.2 of Electrical PWD SR 2019-20.)							
	From Pump to Panel board	1	350.00			350.00		
	Total Quantity					350.00	98.00	34300.00
						Mtr		
	BR	98.00	Mtr					
13	KSRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 - 50mm dia (Page no-96, Item No-13.73.1 of PWD SR 2018-19.)`							
	HDPE Pipe 50mm Dia At 6 Kg/Sq Cm	1	350.00			350.00		
	Total Quantity					350.00	354.24	123984.00
						m		
	BR	328.00						
	AW 8%	26.24						
	Total	354.24	m					

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.1	**Providing of 1 no Bore well**							
14	KSRB 13-7.1-4: Providing and fixing in position nominal bore Gun-metal non return valve horizontal type of approved make including cost of all materials, labour and HOM with all leads complete as per specifications.Specification No KBB 13.2.10/13.13 50mm dianominal bore (Page no-95, Item No-13.55 of PWD SR 2018-19.)							
	non return valve 50mm	1				1.00		
	Total Quantity					1.00	1436.40	1436.00
						No		
	BR	1330.00						
	AW 8%	106.40						
	Total	1436.40	No					
15	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.-Upto 12.5 HP (Page no-24, Item No-5.2.1 of Electrical PWD SR 2019-20.)							
	Starter	1				1.00		
	Total Quantity					1.00	6400.00	6400.00
	BR	6400.00	Each			No		
16	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 Amps three phase 4 wire whole current class-1 Accuracy Energy Meter.(Page no-29, Item No-5.35 of Electrical PWD SR 2019-20.)							
		1.00				1.00		
	Total Quantity					1.00	4745.00	4745.00
	BR	4745.00				EACH		
	AW 8%							
	Total	4745.00	EACH					
17	KEB DEPOSITS							25612
	Total Amount							470510.00
	Add 12% GSt							
	Mis And round Off							
	Grand Total Amount							4,70,510

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compund Wall**							
1	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)							
	Excavation							
	West Side Compound	1	12.06	0.80	0.90	8.68		
		1	1.53	0.80	0.90	1.10		
		1	8.87	0.80	0.90	6.39		
		1	2.93	0.80	0.90	2.11		
		1	44.02	0.80	0.90	31.69		
		1	5.62	0.80	0.90	4.05		
	Column (Gate)	2	0.90	0.90	0.90	1.46		
	East Side	1	23.35	0.80	0.55	10.27		
		1	10.01	0.80	0.55	4.40		
		1	4.71	0.80	0.55	2.07		
		1	15.47	0.80	0.55	6.81		
		1	22.55	0.80	0.55	9.92		
		1	4.23	0.80	0.55	1.86		
		1	14.98	0.80	0.55	6.59		
	Total Quantity					97.40	322.92	31452.00
						Cum		
	BR	299.00						
	AW 8%	23.92						
	Total	322.92	Cum					
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.)							
	PCC 1:4:8							
	West Side Compound	1	12.06	0.80	0.10	0.96		
		1	1.53	0.80	0.10	0.12		
		1	8.87	0.80	0.10	0.71		
		1	2.93	0.80	0.10	0.23		
		1	44.02	0.80	0.10	3.52		
		1	5.62	0.80	0.10	0.45		
	Column (Gate)	2	0.90	0.90	0.10	0.16		
	East Side	1	23.35	0.80	0.10	1.87		
		1	10.01	0.80	0.10	0.80		
		1	4.71	0.80	0.10	0.38		
		1	15.47	0.80	0.10	1.24		
		1	22.55	0.80	0.10	1.80		
		1	4.23	0.80	0.10	0.34		
		1	14.98	0.80	0.10	1.20		
	Total Quantity					13.78	5510.16	75930.00
						Cum		
	BR=	5102.00						
	AW 8%	408.16						
	Total	5510.16	Cum					

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compund Wall**							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13-cement morter 1:6 (Page no-25, Item No-5.6 of PWD SR 2018-19.)							
	SSM IN CM 1:6							
	1st footing	1	75.03	0.60	0.80	36.01		
	East Side	1	95.30	0.60	0.45	25.73		
	Column	2	0.75	0.75	0.80	0.90		
	Total Quantity					62.65	4963.68	310952.00
						Cum		
	BR	4596.00						
	AW 8%	367.68						
	Total	4963.68	Cum					
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page no-25, Item No-5.9 of PWD SR 2018-19.)							
	2nd Footing	1	75.03	0.45	0.80	27.01		
	East Side	1	95.30	0.45	0.45	19.30		
	Column	2	0.45	0.45	2.50	1.01		
	Total Quantity					47.32	5921.64	280221.00
						Cum		
	BR	5483.00						
	AW 8%	438.64						
	Total	5921.64	Cum					
5	KSRB 4-2.2: Providing and laying in position Reinforced Cement Concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal of coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 Liters conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footing ,pedastals,retaining walls,return walls, walls (any thickness) including attached pilasters, columnspillars,post struts, buttresses, bed blocks, anchor blocks & Plinths etc., including cost of all materials, labour, HOM curing complete as per Specifications Specification No. KBS 4.1, 4.6(Page no-14, Item No-4.11 of PWD SR 2018-19.)							
	For plinth beam	1	75.03	0.45	0.10	3.38		
	East Side	1	95.30	0.45	0.10	4.29		
	Total Quantity					7.67	6111.72	46868.00
						Cum		
	BR	5659.00						
	AW 8%	452.72						
	Total	6111.72	Cum					
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page no-16, Item No-4.31 of PWD SR 2018-19.)							
	For plinth beam	2	75.03		0.10	15.01		
	East Side	2	95.30		0.10	19.06		
	Total Quantity					34.07	386.64	13173.00
						sqm		
	BR	358.00						
	AW 8%	28.64						
	Total	386.64	sqm					

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compund Wall**							
7	KSRB 4.9.2 : Providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per Specifications. Specification No. KBS 4.6.3 -TMT bars Fe 500(Page no-18, Item No-4.46.2 of PWD SR 2018-19.)							
	75kg/cum of RCC	7.67	75.00			0.58		
	Total Quantity					0.58	80347.21	46601.00
						tonne		
	BR	78007.00						
	AW 3%	2340.21						
	Total	80347.21	tonne					
8	KSRB : 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification. Specification No. KBS 2.9 (Page no-7, Item No-2.10 of PWD SR 2018-19.)							
	Excavated Earth					97.40		
	Less PCC					-13.78		
	Less SSM foundation	-1	170.33	0.60	0.45	-45.99		
	less Column	-1	0.75	0.75	0.75	-0.42		
	Total Quantity					37.21	217.08	8078.00
						Cum		
	BR	201.00						
	AW 8%	16.08						
	Total	217.08	Cum					
9	KSRB 15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications -Cement Morter 1:6 (Page no-116, Item No-15.17 of PWD SR 2018-19.)							
	Coping	1	75.03		0.45	33.76		
	side	2	75.03		0.10	15.01		
	East Side	1	95.30		0.45	42.89		
		2	95.30		0.10	19.06		
	Total Quantity					110.72	264.60	29297.00
						Sqm		
	BR	245.00						
	AW 8%	19.60						
	Total	264.60	Sqm					
10	KSRB 15.1.2 Providing flush pointing 20mm deep to square rubble, course or uncoursed stone masonry with cement mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.cement morter 1:4 (Page no-115, Item No-15.2 of PWD SR 2018-19.)							
	Pointing out side	1.00	75.03		0.80	60.02		
	Inside	1.00	75.03		0.45	33.76		
	Column	2.00	1.80		2.50	9.00		
	East Side	2	95.30		0.45	85.77		
	Total Quantity					188.55	151.20	28509.00
						Sqm		
	BR	140.00						
	AW 8%	11.20						
	Total	151.20	Sqm					
11	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications With Primer (Page no-120, Item No-15.53.2 of PWD SR 2018-19.)							

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compund Wall**							
	Quantity Same As Mastering					110.72		
	Total Quantity					110.72	110.16	12197.00
	BR	102.00				Sqm		
	AW 8%	8.16						
	Total	110.16	Sqm					
12	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials,labour,HOM complete asper specifications.(Page no-266, Item No-37.2 of PWD SR 2018-19.)							
	Angles	40	2.45			98.00		
	East Side	49	2.45			120.05		
	Total Quantity					218.05	927.72	202289.00
	BR	859.00				m		
	AW 8%	68.72						
	Total	927.72	m					
13	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.including cost of materials,Labour HOM Complete as per Specification. (Page no-266, Item No-37.4 of PWD SR 2018-19.)							
	M.S. Block pipe of 38mm dia	3.00	75.03			225.09		
	East Side	3.00	95.30			285.90		
	Total Quantity					510.99	440.64	225163.00
	BR	408.00				m		
	AW 8%	32.64						
	Total	440.64	m					
14	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint including cost of materials,Labour HOM Complete as per Specification (Page no-266, Item No-37.3 of PWD SR 2018-19.)							
	chain link fencing 50mm size	1.00	75.03		1.80	135.05		
	East Side	1.00	95.30		1.80	171.54		
	Total Quantity					306.59	772.20	236749.00
	BR	715.00				Sqm		
	AW 8%	57.20						
	Total	772.20	Sqm					
15	Fabricating, providing and erecting in poistion of M S Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 15 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necessary drillling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion to the work as per specification and drawings (Page no-43, Item No-7.31 of PWD SR 2018-19.)							

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compund Wall**							
	Main Gate	1	6.00	2.50	40.00	600.00		
	Total Quantity				kg/Sq m	600.00	142.56	85536.00
						Sq.m		
	BR	132.00						
	AW 8%	10.56						
	Total	142.56	Kg					
16	KSRB 24-13 : Removing the old paint from steel and / or other metal surface with hand scraping and making surface even including cost of labour, complete as per specifications. Specification No.KBS. (Page no-131, Item No-16.8 of PWD SR 2018-19.)							
	Fencing paintings							
	South Side	1.00	9.33		2.00	18.66		
		1.00	27.55		2.00	55.10		
		1.00	14.74		2.00	29.48		
	Total Quantity					103.24	90.72	9366.00
	BR	84.00				Sqm		
	AW 8%	6.72						
	Total	90.72	Sqm					
17	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (Page no-123, Item No-15.73 of PWD SR 2018-19.)							
	Quantity Same As item No-14					103.240		
	Total Quantity					103.24	44.28	4571.00
	BR	41.00				Sqm		
	AW 8%	3.28						
	Total	44.28	Sqm					
18	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications(Page no-123, Item No-15.74 of PWD SR 2018-19.)							
	Quantity Same As item No-14					103.240		
	Total Quantity					103.24	102.60	10592.00
	BR	95.00				Sqm		
	AW 8%	7.60						
	Total	102.60	Sqm					
	Total Amount							1657544.00
	Add 12% GSt							
	Mis And round Off							
	Grand Total Amount							**16,57,544**

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.1	**Providing of 1 no Bore well**							
1	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S. by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information requiredincluding transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. (Page no-xx, Item No-13.04,PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	Geophysical investigation	1				1.00		
	Total Quantity					1.00	3768.00	3768.00
						NOS		
	BR	3768.00	NOS					
2	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01-(a),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 0.00 m to 50m including over burdan	1	50.00			50.00		
	Total Quantity					50.00	347.00	17350.00
						Mtrs		
	BR	347.00	Mtrs					
3	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(b),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 50.00 m to 100.00m	1	50.00			50.00		
	Total Quantity					50.00	442.00	22100.00
						Mtrs		
	BR	442.00	Mtrs					
4	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(c),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.1	**Providing of 1 no Bore well**							
	from 100.00 m to 150.00m	1	50.00			50.00		
	Total Quantity					50.00	456.00	22800.00
						Mtrs		
	BR	456.00	Mtrs					
5	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(d),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 150.00 m to 200.00m	1	50.00			50.00		
	Total Quantity					50.00	536.00	26800.00
						Mtrs		
	BR	536.00	Mtrs					
6	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(e),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 200.00 m to 250.00m	1	50.00			50.00		
	Total Quantity					50.00	634.00	31700.00
						Mtrs		
	BR	634.00	Mtrs					
7	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(f),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 250.00 m to 300.00m	1	50.00			50.00		
	Total Quantity					50.00	700.00	35000.00
						Mtrs		
	BR	700.00	Mtrs					
8	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(g),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019)							
	from 300.00 m to 350.00m	1	50.00			50.00		
	Total Quantity					50.00	825.00	41250.00
						Mtrs		
	BR	825.00	Mtrs					

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S No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compound Wall**							
1	KSRS 2.2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications in ordinary soil NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)							
	Excavation							
	West Side Compound	1	12.06	0.80	0.80	8.08		
		1	1.53	0.80	0.90	1.10		
		1	8.87	0.80	0.90	6.39		
		1	2.93	0.80	0.90	2.11		
		1	44.02	0.80	0.90	31.69		
		1	5.62	0.80	0.90	4.05		
	Column (Gate)	2	0.90	0.90	0.90	1.46		
	Rear Side	1	23.35	0.80	0.55	10.27		
		1	10.01	0.80	0.55	4.40		
		1	4.71	0.80	0.55	2.07		
		1	15.47	0.80	0.55	6.81		
		1	22.55	0.80	0.55	9.92		
		1	4.23	0.80	0.55	1.86		
		1	14.98	0.80	0.55	6.59		
	Total Quantity					97.40	322.92	31452.00
						Cum		
	BR=	299.00						
	AW 8%	23.92						
	Total	322.92	Cum					
2	KSRS 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-12, Item No-4.3 of PWD SR 2018-19.)							
	PCC 1:4:8							
	West Side Compound	1	12.06	0.80	0.10	0.96		
		1	1.53	0.80	0.10	0.12		
		1	8.87	0.80	0.10	0.71		
		1	2.93	0.80	0.10	0.23		
		1	44.02	0.80	0.10	3.52		
		1	5.62	0.80	0.10	0.45		
	Column (Gate)	2	0.90	0.90	0.10	0.16		
	Rear Side	1	23.35	0.80	0.10	1.87		
		1	10.01	0.80	0.10	0.80		
		1	4.71	0.80	0.10	0.38		
		1	15.47	0.80	0.10	1.24		
		1	22.55	0.80	0.10	1.80		
		1	4.23	0.80	0.10	0.34		
		1	14.98	0.80	0.10	1.20		
	Total Quantity					13.78	5510.16	75930.00
						Cum		
	BR=	5102.00						
	AW 8%	408.16						
	Total	5510.16	Cum					

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compand Wall**							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13-cement morter 1:6 (Page no-25, Item No-5.6 of PWD SR 2018-19.)							
	SSM IN CM 1:6							
	1st footing	1	75.03	0.60	0.80	36.01		
	East Side	1	95.30	0.60	0.45	25.73		
	Column	2	0.75	0.75	0.80	0.90		
	Total Quantity					62.65	4963.68	310952.00
						Cum		
	BR	4596.00						
	AW 8%	367.68						
	Total	4963.68	Cum					
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement morter 1:6,edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page no-25, Item No-5.9 of PWD SR 2018-19.)							
	2nd Footing	1	75.03	0.45	0.80	27.01		
	East Side	1	95.30	0.45	0.45	19.30		
	Column	2	0.45	0.45	2.50	1.01		
	Total Quantity					47.32	5921.64	280221.00
						Cum		
	BR	5483.00						
	AW 8%	438.64						
	Total	5921.64	Cum					
5	KSRB 4-2.2: Providing and laying in position Reinforced Cement Concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal of coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 Liters conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footing ,pedastals,retaining walls,return walls, walls (any thickness) including attached pilasters, columnspillars,post struts, buttresses, bed blocks, anchor blocks & Plinths etc., including cost of all materials, labour, HOM curing complete as per Specifications Specification No. KBS 4.1, 4.6(Page no-14, Item No-4.11 of PWD SR 2018-19.)							
	For plinth beam	1	75.03	0.45	0.10	3.38		
	East Side	1	95.30	0.45	0.10	4.29		
	Total Quantity					7.67	6111.72	46868.00
						Cum		
	BR	5659.00						
	AW 8%	452.72						
	Total	6111.72	Cum					
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page no-16, Item No-4.31 of PWD SR 2018-19.)							
	For plinth beam	2	75.03		0.10	15.01		
	East Side	2	95.30		0.10	19.06		
	Total Quantity					34.07	386.64	13173.00
						sqm		
	BR	358.00						
	AW 8%	28.64						
	Total	386.64	sqm					

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.2	**Proposed construction of Chain link Fencing Compund Wall**							
7	KSRB 4.9.2 : Providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per Specifications. Specification No. KBS 4.6.3 -TMT bars Fe 500(Page no-18, Item No-4.46.2 of PWD SR 2018-19.)							
	75kg/cum of RCC	7.67	75.00			0.58		
	Total Quantity					0.58	80347.21	46601.00
						tonne		
	BR	78007.00						
	AW 3%	2340.21						
	Total	80347.21	tonne					
8	KSRB : 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification. Specification No. KBS 2.9 (Page no-7, Item No-2.10 of PWD SR 2018-19.)							
	Excavated Earth					97.40		
	Less PCC					-13.78		
	Less SSM foundation	-1	170.33	0.60	0.45	-45.99		
	less Column	-1	0.75	0.75	0.75	-0.42		
	Total Quantity					37.21	217.08	8078.00
						Cum		
	BR	201.00						
	AW 8%	16.08						
	Total	217.08	Cum					
9	KSRB 15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications -Cement Morter 1:6 (Page no-116, Item No-15.17 of PWD SR 2018-19.)							
	Coping	1	75.03		0.45	33.76		
	side	2	75.03		0.10	15.01		
	East Side	1	95.30		0.45	42.89		
		2	95.30		0.10	19.06		
	Total Quantity					110.72	264.60	29297.00
						Sqm		
	BR	245.00						
	AW 8%	19.60						
	Total	264.60	Sqm					
10	KSRB 15.1.2 Providing flush pointing 20mm deep to square rubble, course or uncoursed stone masonry with cement mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.cement morter 1:4 (Page no-115, Item No-15.2 of PWD SR 2018-19.)							
	Pointing out side	1.00	75.03		0.80	60.02		
	Inside	1.00	75.03		0.45	33.76		
	Column	2.00	1.80		2.50	9.00		
	East Side	2	95.30		0.45	85.77		
	Total Quantity					188.55	151.20	28509.00
						Sqm		
	BR	140.00						
	AW 8%	11.20						
	Total	151.20	Sqm					
11	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications With Primer (Page no-120, Item No-15.53.2 of PWD SR 2018-19.)							

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S.No	Particulars	No	L	B	D	Qty	Rate	Amount
1.2	**Proposed construction of Chain link Fencing Compound Wall**							
	Main Gate	2	5.00	2.50	40.00	800.00		
					Sft	800.00	142.50	80136.00
	Total Quantity				m	Sq.m		
		SR 132.00						
		AW 8% 10.50						
		Total 142.50	Sq.					
16	KSRS 24-12 : Removing the old paint from steel and / or other metal surface with hand scraping and making surface even including cost of labour, complete as per specifications. Specification. No.KSR. (Page no-130, Item No-16.8 of PWD SR 2018-19)/							
	Fencing paintings				2.00	18.86		
	South Side	2.00	9.33		2.00	55.70		
		2.00	27.85		2.00	29.48		
		2.00	24.74			203.24	90.72	4366.00
	Total Quantity					Sqm		
		SR 84.00						
		AW 8% 6.72						
		Total 90.72	Sqm					
17	KSRS 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (Page no-123, Item No-15.73 of PWD SR 2018-19)							
	Quantity Same As item No-14					103.240		
						103.24	44.28	4571.00
	Total Quantity					Sqm		
		SR 42.00						
		AW 8% 3.28						
		Total 44.28	Sqm					
18	KSRS 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications/Page no-123, Item No-15.74 of PWD SR 2018-19/							
	Quantity Same As item No-14					103.240		
						103.24	102.50	10582.00
	Total Quantity					Sqm		
		SR 95.00						
		AW 8% 7.50						
		Total 102.50	Sqm					
	Total Amount							1657544.00
	Add 12% GST							
	Mis And round Off							
	Grand Total Amount							**16,57,544**

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Name of the Work: Development of Park and Construction of Watch man Room in Engineering Unit cross Jagadambha temple park in basantnall Zone, Ward No-04

DETAILED ESTIMATE PVC SF 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
	Providing and Fixing of Children Play Equipments & Parts							
1	Supply & fixing of children multi play equipment with metal slide, monkey bar with number panel , Upright structural posts of height 4.2 m are to be hot dip galvanized steel with a 114 mm OD and 3.2mm wall thickness of tubing . Roof of size 1.5m x 1.7m x 1.77 m , metal slide of size1.5m x 1.85m x 1.05m. Top rails of monkey bar size 1.5m x 1.3m are all robotic welded & fabricated from 48mm OD galvanized steel pipes for the outer bars &25 mm OD galvanized steel for the inner parallel bars with 6 baked on powder coated finish. Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mm thickness or vinyl coated to a thickness of 4mm . Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted,powder coated to 2.2mmthickness or vinyl coated to a thickness of 4mm. Deck, step, platform ,stairs, baffle shall be all robotic welded. Inclined ramps of size 1.25m x 0.65m , stair case of size 1.2m x 0.77m are fabricated from solid 2mm perforated solid punched steel Fearless climber ,, piped walls of size 1 m are robotic welded . fabricated from 32 mm OD galvanized steelpipes for outer and 25mm OD galvanized steel pipes for inner bar with baked on powder coat finish.The poles welded on to base plate made from steel with 114mm inner dia double slide of size2.2 m x 1.5m x 1.45 m panel. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges							
	Unit Rate	1				1.00		
	Total Quantity					1.00	[illegible]	[illegible]
		Rs [illegible] Each				Each		
2	Supply and fixing of children Multi Play Equipment with double swing, curved slide, toddler slide with animated roof Upright structural posts of height 2.7 m and 3 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 3.2mm wall thickness of the tubing. The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m and Staircase of size 1.45 m x 1.0m are fabricated from 2mm perforated solid punched steel. Deck perimeter is premium pre punched for attachments. Handrail of height 1.00 m and Dia 25 mm shall be an all robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Exposed hardware shall be covered with ultra violet stabilised plastic safety caps as per Sun Roof of size 2.0 m x 1.78 m x 1.77m. Spiral Slide of size 2224 mm x 1630 mm x 1880 mm ,, Straight Slide of size 1545 mm x 800 mm x 1140 mm. Panels, Roofs and panels are copyrighted and IP protected worldwide. Spring Climber of thickness Dia 38 mm. 3 step ladder ,, Fearless Climber ,Piped walls of height 2.7 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges							
	WORKER	1				1.00		
	Total Quantity					1.00	[illegible]	[illegible]
		Rs [illegible] Each				Each		

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.5	**Developement of Children Play Ground**							
1	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)							
	Excavation							
	Long wall	2	23.10	0.65	0.60	18.02		
	Short Wall	2	14.60	0.65	0.60	11.39		
	Steps	2	1.50	0.90	0.15	0.41		
	Total Quantity					29.82	322.92	9629.00
						Cum		
	BR	299.00						
	AW 8%	23.92						
	Total	322.92	Cum					
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.)							
	PCC 1:4:8							
	Long wall	2	23.10	0.65	0.15	4.50		
	Short Wall	2	14.60	0.65	0.15	2.85		
	Steps	2	1.50	0.90	0.15	0.41		
	Total Quantity					7.76	5510.16	42759.00
						Cum		
	BR=	5102.00						
	AW 8%	408.16						
	Total	5510.16	Cum					
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13-cement morter 1:6 (Page no-25, Item No-5.6 of PWD SR 2018-19.)							
	SSM IN CM 1:6							
	Long wall	2	22.90	0.45	0.45	9.27		
	Short Wall	2	15.00	0.45	0.45	6.08		
	Total Quantity					15.35	4963.68	76192.00
						Cum		
	BR	4596.00						
	AW 8%	367.68						
	Total	4963.68	Cum					
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page no-25, Item No-5.9 of PWD SR 2018-19.)							
	Long wall	2	22.90	0.45	0.45	9.27		
	Short Wall	2	15.00	0.45	0.45	6.08		
	Total Quantity					15.35	5921.64	90897.00
						Cum		
	BR	5483.00						
	AW 8%	438.64						
	Total	5921.64	Cum					

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.5	**Devalopement of Children Play Ground**							
8	KSRB : 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification. Specification No. KBS 2.9 (Page no-7, Item No-2.10 of PWD SR 2018-19.)							
	Excavated Earth					29.82		
	Less PCC					-7.76		
	Less SSM foundation					-15.35		
	Total Quantity					6.71	217.08	1457.00
						Cum		
	BR	201.00						
	AW 8%	16.08						
	Total	217.08	Cum					
9	KSRB 15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications -Cement Morter 1:6 (Page no-116, Item No-15.17 of PWD SR 2018-19.)							
	Coping	2	22.90	0.75		34.35		
	side	2	15.00	0.75		22.50		
	Steps							
	Thread	2	1.50	0.90		2.70		
	Rise	6	1.50	0.15		1.35		
	Side	4	0.30	0.45		0.54		
		4	0.30	0.30		0.36		
		4	0.30	0.15		0.18		
	Total Quantity					61.98	264.60	16400.00
						Sqm		
	BR	245.00						
	AW 8%	19.60						
	Total	264.60	Sqm					
10	KSRB 15.1.2 Providing flush pointing 20mm deep to square rubble, course or uncoursed stone masonry with cement mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.cement morter 1:4 (Page no-115, Item No-15.2 of PWD SR 2018-19.)							
	Pointing out side	1.00	77.60		0.45	34.92		
	Inside	1.00	74.00		0.45	33.30		
	Total Quantity					68.22	151.20	10315.00
						Sqm		
	BR	140.00						
	AW 8%	11.20						
	Total	151.20	Sqm					
11	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications With Primer (Page no-120, Item No-15.53.2 of PWD SR 2018-19.)							
	Quantity Same As Plastering					61.98		
	Total Quantity					61.98	110.16	6828.00
	BR	102.00				Sqm		
	AW 8%	8.16						
	Total	110.16	Sqm					

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
A.8	**Benches**							
5	KSRRB M800-6. Painting two coats on New Concrete Surface:-Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803 (Page no-181, Item No-24.7 of PWD SR 2018-19.)							
	Stone Bench Flat form	34	3.00		0.45	45.90		
		34	2.20		0.45	33.66		
	Total Quantity					79.56	88.56	7046.00
	BR	82.00				Sqm		
	AW 8%	6.56						
	Total	88.56	Sqm					
6	Stone bench " Executive Bench : Made out of sadarohally Grey Stone with hand supports with 3Line Finishing witharch.Design with 100 mm SLAB . Fleight 90 X Length150 Width 45 Cms.							
	Bench	17.00				17.00		
	Total Quantity					17.00	18200.00	309400.00
						Each		
	DR	18200.00	Each					
	Total Amount							664538.00
	Add 12% GSt							
	Mis And round Off							
	Grand Total Amount							6,64,538

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Name of the Work: Development of Park and Construction of Watch man Room At Bagalagunte,12th cross,Nagalakshmi temple park in dasarahalli Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	Bottom Layer No	L	B	D	Qty	Rate	Amount
A.11	**Drainage Line**							
1	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.)							
	Excavation	1	60.00	0.60	0.90	32.40		
	Total Quantity					32.40	322.92	10463.00
						Cum		
	BR	299.00						
	AW 8%	23.92						
	Total	322.92	Cum					
2	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (Page no-7, Item No-2.11 of PWD SR 2018-19.)							
	Refilling quantity same as item no-1					32.40		
	Total Quantity					32.40	130.68	4234.00
	BR	121.00				Cum		
	AW 8%	9.68						
	Total	130.68	Cum					
3	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 200mm outer dia (Page no-77, Item No-11.56.5 of PWD SR 2018-19.)							
	200 mm dia PVC pipe	1	60.00			60		
	Total Quantity					60.00	1706.40	102384.00
	BR	1580.00				Cum		
	AW 8%	126.40						
	Total	1706.40	Cum					
4	KSRB 12-5.2 : Constructing brick masonry circular type manhole 1.67 m internal dia at bottom, 0.91m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4 (Page no-74, Item No-11.38 of PWD SR 2018-19.)							
	Man hole 1.67 deep	1				1.00		
	Total Quantity					1.00	26226.72	26227.00
	BR	24284.00				Nos		
	AW 8%	1942.72						
	Total	26226.72	Nos					
	Total Amount							143308.00
	Add 12% GSt							
	Mis And round Off							
	Grand Total Amount							1,43,308

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Name of the Work: Development of Park and Construction of Watch man Room At Sugalagunte, 12th cross,Nagalakshmi temple park in Basavaballi Zone,Ward No-14

DETAILED ESTIMATE PWD SR 2018-19

S.No	Particulars	No	L	B	D	Qty	Rate	Amount
			System Layer					
A.12	**Water Supply Line**							
	BR	1739.00				Nos		
	AW 8%	139.12						
	Total	1878.12	Nos					
5	KSRS13-7.1-4 : Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KSS 13.2.10 / 13.13 (Page no-95, Item No-13.55 of PWD SR 2018-19.)							
	non-return valve horizontal type	1				1.00		
	Total Quantity					1.00	1436.40	1436.00
	BR	1330.00				Nos		
	AW 8%	106.40						
	Total	1436.40	Nos					
	Total Amount							33292.00
	Add 12% GST							
	Mis And round Off							
	Grand Total Amount							**33,292**

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